Sectt. II-48—19,083—11-2-21.

W. Aust (192) Department.

This SERIES.

G.O. No. 2344
2344

DATED 21/12-21
21-12-21

[Despatch Abstract.]

Agriculture — Bone meal plant
Hagan — Installation — Scheme
dropped

-C 1306-III

17.5.21

In your reply please quote R.C.T.Bl-849-21/ 15-5-21

Enc.: Plans and estimates

From Office of the Director of Agriculture Madras.

G.L. Stuart, Esq., I.C.S.,
Director of Agriculture,
Madras.

To

The Secretary to Government,
Development Department.

Sir,

Estimates:--HIGURI FARM--INSTALLATION OF A BONEMEAL PLANT.

III

I have the honour to submit plans and estimates for the installation of a bonemeal plant at the Higuri Agricultural station at a cost of Rs.8,100/- and to request sanction for the execution thereof during the year 1922-23.

2. The estimates were prepared by the Assistant Director of Industries, Bellary and provide for:--

(a)	Machinery and fitting	Rs.5,250	0 0
(b)	Extensions to the existing ginnery shed(capital cost Rs.4473)	2,500	0 0
(c)	Petty supervision and contingencies.	350	0 0
	Total	Rs.8,100	0 0

3. This department is at present running a ginnery at the Agricultural station. The oil engine of the ginnery is idle for more than nine months in the year. To give it continuous work and to meet the

'A'

3

Received in the fair-copying section C.T. 27-5-1921.

Copied by

Examined by

Signed

Despatched 30/5.

Read. for despatch on 30-5-21

CW. 1306-III/21- From the Dir of Agric. Roc. Bl-8169-2 d 12-5-21

dp 61 27.5.21

End 1306-III/21-1 d 27.5.21

Referred to the Dir of Industries for report with whether ~~Special reference to~~ the Scheme is likely to prove commercially profitable

KnR 27-5-21

Despd 30-5-21

To the Dr of Ind (Ag) with Estimate of plan.

27-5-21

Rem Issued on 8/x21

C.F. 9-24,264-4-4-21.

DEPARTMENT.

Received ..... 192 *Registered* Dev. 3427 IM 192

23 NOV 1921

Subject. Hagari Farm - Installation of a Bonemeal Plant,- report on.

ENCLOSURES.
No. .....
.....
Spare copies .....

No. 597-B/21

Station Madras. *Dated the* 24th November 1921.

From (Name) C.W.E.Cotton Esq., C.I.E., I.C.S., M.L.C.,
(Designation) Director of Industries, Madras.

To The Secretary to the Government of Madras,
DEVELOPMENT Department.

Sir

With reference to Government Endorsement No. 1306-III/21-1, dated the 27th May 1921. I have the honour to report that the scheme for the installation of a bone-meal plant at the Hagari Agricultural Station is not, in my opinion, likely to prove a commercially profitable one.

2. It has been found necessary to considerably modify the original estimate prepared by the late Assistant Director of Industries, Bellary Division, as further enquiries

enquiries showed that the Ordnance Disintegrator which it was originally proposed to instal, had a capacity of only 4 cwts. of dry bones per hour and would require 15 B.H.P to drive, while the existing engine at the Hagari Farm is of 8 B.H.P and will develop only about 6½ B.H.P as a continuous load when running on liquid fuel and is thus insufficiently powerful to drive an Ordnance Disintegrator. A revised estimate has therefore been prepared which provides for the installation of a No'0' Christy & Norris Disintegrator with balloon dust-catcher and return air and balloon spout and a size 'W' Titan Bone Crusher and accessories at an inclusive cost of about Rs.3950/-. Particulars of the total estimate which amounts to 6,800 against Rs.8,100 originally estimated by the Director of Agriculture are given in the annexture to this letter. The Christy & Norris Disintegrator and the Titan Bone Crusher can be worked separately by the existing engine at the Hagari Farm.

3. The crusher is capable of dealing with 10 cwts of dry bones per hour and the disintegrator will probably deal with ¼ cwts. of crushed bones per hour so that if the crusher is worked for one hour it will provide sufficient material to keep the disintegrator employed for more than 13 hours. The engine will probably be available for bonemeal manufacture for 180 days a year and if it is assumed that the plant will be worked 8 hours a day some 50 tons of bonemeal will be produced. The Deputy Director of Agriculture II and III circles, Bellary has informed the Assistant Director of Industries, Bezwada that supplies of bone can be obtained at Hagari at from Rs.30 to Rs.35 a ton and that bonemeal realises about Rs.80 per ton. The financial aspect of the scheme may therefore be exhibted as follows:

Cost of 50 tons of bones.	Rs:1750	2835
Cost of crushing 50 tons including fuel, oil, repairs, driver, labour and depreciation	Rs.2400	3855
5% interest on the capital of Rs.68,00.	Rs. 340	340
	Rs.4,490	7,063

Quantity.	Description.	Amount	Total.
1	Crusher Titan or Herculas of 1 ton per hour capacity.	1400	
1	The Christy & Norris Disintegrator No.'0'	800	
1	Elevator.	200	
∠	Bins for crusher and Disintegrator.	150	
1	Screw feed	50	
	Shafting & pedestals.	120	
	Pullyes	200	
∠	Shaft couplings (flexible)	200	
	Belting etc.	240	
	Fitting up charges.	290	
	Freight & carthire.	300	
		3950	0 0

General abstract

Extension to Buildings.	500 ✓	
Machinery and fittings.	950 ✓	
Petty Supervisons.	150 ✓	
Contingencies.	200 ✓	
		6800 0 0

Received in Fair copying Section.
Copied P.R.N.9-12-2
Examined.
Signed.
Despatched. 9/12

Hil-2 C.7

7

G.R. No 1206 III/21-2 dt 8/12/21

Ref D.A's letter No. C. Bl-849-21 12.5.21

The report of the Director of Industries on the subject of installation of a bone meal plant at the Hazaribagh Agl Station is forwarded to the Dir. of Agrl for report whether in the circumstances explained therein the scheme may be adopted.

It is not likely that in the present financial stringency any fund will be available for new schemes next year.

Ker 9-12-21

DESPATCHED
9 DEC 1921

RR 7-12-21.

The Dir of Agrl with reference to D.O.

C.F. 21.

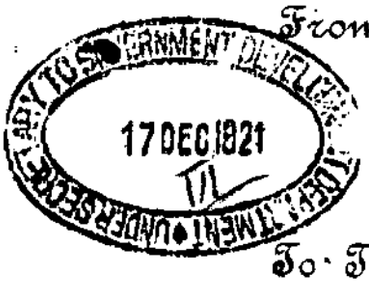
9/ Dev 3710 III

AGRICULTURAL **DEPARTMENT** 12 21

In future letters, please quote No. D-Dis-B-1-849-21. Rec'd _____ Enclosures _____
dated
and short title * Reg'd _____ Spare copies _____

Telephone No.
Post Box No.
Telegraphic Address:

Dated 15th December 1921.



From (Name) H.C. Sampson, Esq., B.Sc., C.I.E.,
(Designation) Ag. Director of Agriculture,
(Address) Madras.

To The Secretary to Government,
Development Department,
Madras.

Sir,

Subject:- Estimate - Hagari farm - installation of a bonemeal plant.

With reference to Government memorandum No. 1306-III/21-2, dated the 8th December 1921, I have the honour to recommend that the scheme of installing a bone meal plant at the Hagari Agricultural station may be dropped.

2. I understand that Messrs. Hye and Company have recently constructed a bone-meal factory at Bellary and that crushing will commence soon. There is therefore no need for the installation at Hagari.

I have the honour to be,

Sir,

Your most obedient servant,

Chinnamenu Rao 16/12/21

for DIRECTOR OF AGRICULTURE.

G.R.

16.12

To Development Dept

Subject.

Nagari Gram Panchayat Bore-well

Plan

CNO 1306/III/2. Dir of Agri. R.O.C.

Dt: 8.9.21 & 12.5.21

Sir,

Please see Director's letter at pp 1 & 2 ante. In the circumstances stated therein it is submitted that the proposal of the Dir may be approved. Draft order is put up which may be issued with the concurrence of Financial.

P.R
21.5.21
RS
21.5.21

S/Kum
23-5-21

Note for Secretary.

Draft order in Secretary's encyclopedia is, commercially justifiable

Refer to D.S.

DS
27.5.21

Draft order is submitted.

RR
27.5.21

Secy
27.5.21

p 3 c 7 Issued as Endt No 1306/III/21-1 dt 27.5.21.

pp 4-6 c 7 CNO 3427 III/21 Dir of Agri No 597-B dt 24.11.21.

To U.S.

Please see letter from the Director of Industries at pp 4-6 C.F. He reports that the undertaking is likely to result in an annual loss of Rs 490 ~~for~~ Rs 589 if it is taken that the oil engine at the Hapari Sta will be available for 9 months in the year as reported by the D.I. and is therefore not a commercially profitable venture ~~In this instance the best for~~ The installation would seem to popularise the use of bone manures and it is for orders whether the scheme may be sanctioned purely as an experimental measure. In this connection a reference to the Turings notes at p 1 ante is solicited

'A' at p 1 C.F

Funds A sum of Rs 8100 for inclusion in Part II of the Budget Estimates under 41 Civil Works has been suggested

The II Sc. report has not been seen by D.A perhaps, the latter may have some remarks to offer.

P.R. 5/12-21

D.R. 6-12-21

For the sake of propaganda the works which the installation would secure ~~save~~, we may perhaps proceed with the small anticipated loss.

S/ Hewett 6/12/21 Cecil Dir Ag.

The Scheme is a small one, but in the present financial position, it can't I think be financed

Dec. 21

12

Draft ... A ...

RK
1/12

... 11/12/21

19.7 ... Issued as ... No: 1306 ... /21-2.8 8-12 21

19 c.7 GNo 3710 ... /21 Dir. of Agri. B-1-4249-21 dt 15.12.21

Jt. Dir.

19 c.7 The Dir. Kreports that the scheme of installing a honey mini plant at Hagari may be dropped. The papers may, etc submitted be recorded. Draft ... forbd

... PRO
19.12.21
19.12.2

11/12/21
12-12-21

Secrt. II-10 (a)—26,596. -11-4-21.

13 Development DEPARTMENT.

	Date.	Initials.
When received for Fair-copying.	21/12	KSR
When copied		
When examined		
When signed	21/12	
When despatched	21/12	

Agriculture – Bone-meal plant, Hapani Installation – Scheme dropped

READ AGAIN G.O. No. ..... dated 192

" " " " ..... " 192

READ ALSO:— B1-849-21

C. No. 1306 III/21 From the D. A. to D. I.C.I, No. ..... dated 12.5. 1921.

Endt to D. I.C.I 1306 III/21-1 & 27-5-21

" " 3427 III/21 " " D. I to D.C.I " 597-B-21 " 24.11.1921.

O.M. to D. A. to C.I 1306 III/21-2 & 8-12-21

" " 3710 III/21 " " D. A. to I.C.I " B-1-849-21 " 15.12.1921.

ORDER No. 2344, dated 21.12.1921.

PP 20/12 Misc.

Recorded 21-12-21

To The Dir. of Agr

Copy to the D. I.

PP 19 12 21

PP 19-12-21

2 JUNE 1921

Name of Taluk.

Name of Work.

(9) +5

I.F. 132(a)—1,178—14-10-19.

(9 I 3

ESTIMATE FORM—Detail Measurements.

Detail of work.	Number.	Measurements in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
1	2	3	4.	5	6	7
Roof trus -Angles 2½"x2½"x¼"		40		260 Lbs.		
Bars-2" x ⅛"		30		100 "		
Gussets. L. S.				40 "		
Rivets & bolts				20 "		
					420 Lbs	420 Lbs.
Roofing with corrugated sheets		19		34	646	Includes 2 Ventilators.
including angle purlins bolts		19		14	266	
nuts &c.complete.					912	912 or 9 squares.
Steel joists for verandal	2	10	20	22½		
Posts 6" x.3"	5	10	50	840		
Floor joists-rafters @ 4" x 2"	3	14	x6	252		
				1092	9¾ cwts.	9¾ cwts
Doors & Windows.						
Windows	4	5		3	60	
Doors	2	6.5		4	52	
	1	7.0		4	28	
					140	140 Sq.ft.
Wood work--Flooring.						
Joists	8	16	x	¼	16	
Boards --1½" thick		18.5	16@	0.125	37	
					53	53 cft.
Concrete floor	2	16		6.5	208	208 cft. or 2 squares
Painting		L.S.			20	
Fixing flobring &x.		L.S.			25	
Excavating foundations	3	20	4	9	2160	
	2	7	4	9	504	

ESTIMATE FORM– Detail Measurements.

Detail of work.	Measurements in feet. Number.	Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
		3	4	5	6	7
Excavation	2	15	6	2.5	450	
	2	3.5	3.5	4	91	
	or say 4 units.					
						3205
Sand filling	3	19	4	4	912	
	2	6	4	4	192	
Miscellaneous					296	
						1200
Stone Masonry						
Foundations	-	53.5	2.5	3.0	401	
Basement or 1st floor		53.5	1.5	6.0	482	
		12.0	1.5	6.0	108	
						991 or 10 units.
Superstructure		53.5	1.5	9.5	862	
Pedestals to carry shafting	3	4	1.5	4.0	72	
						934 or 9½ units.
Cutstone work.						
Lintels over door and window openings.	4	5	1.5	2/3	20	
	3	5.5	1.5	2/3	17	
Stones under trusses	2	2	1.5	0.5	3	
Steps	5	5	¾	2/3	13	
	6	4	1.0	0.5	12	
						65
Pointing masonry	2	53.5		16	1712	
	2	12.0		6.0	144	
	2	21.5		3.0	129	
						1985 or 20 units.

(11) 4/5

2

ABSTRACT.

Quantity.	Description	Rate	per	Amount	Total
				Rs	Rs
3	Excavation	Rs.6	Unit	18	
12	Sand filling	2	"	24	
10	Masonry in foundations	32	"	320	
9.5	Masonry in superstructure	33	"	314	
65	Cutstone work	1	"	65	
20	Pointing masonry	2-8-0	"	30	
420 lbs.	Roof trusses (iron)	0-5-6	Lb.	145	
9 squares	Corrugated roofing including purlins &c.	55-0-0	Sq.	495	
9½ Cwts.	Rolled steel joists	28-0-0	cwt.	273	
140 sq.ft.	Doors & Windows	2-0-0	sq.ft.	280	
53	Wood work for flooring &c.	7-0-0		371	
2 squares	Concrete floor 6" thick	12-0-0	sq.	24	
	Painting L.S.			20	
	Fixing wood floor &x. L.S.			25	
	Unforeseen works L.S.			[illegible]	
					2500.

(12) 19 6

ABSTRACT.

Quantity	Description	Rate per	Amount	Tot
			Rs	
1	Machinery & fittings.			
1	Crusher. Tatan or Hercules-of 1 ton per hour capacity	3	1400	
1	The Ordnance Disintegrator No.1 of from 5 to 20 cwts. per hour capacity	6	2400	
1	Elevator		200	
2	Bins for crusher & Disintegrator	75	150	
1	Screw Feed		50	
	Shafting & pedestals		120	
	Pulleys		200	
2	Shaft couplings (flexible)	100	200	
	Belting &c.		240	
	Fitting up charges		290	
				5250

General Abstract.

Extension to Buildings	Rs.....	2500
Machinery and fitting		5250
Petty Supervision		150
Contingencies.		200
		8100

S. Rajagopalasawmy 31/3/21

14/5/21

12.5.21